



Photovoltaic Isolation Transformer

Descriptions

DKGF isolation transformer is used to solve the power grid problems which are caused by the photovoltaic power generation, such as harmonic, flickering, DC magnetic bias, and over voltage. Transformers are usually used between power grid and grid-connected inverter which can isolated inverter and sent the power back to grid.

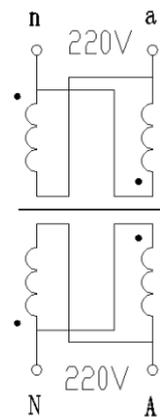
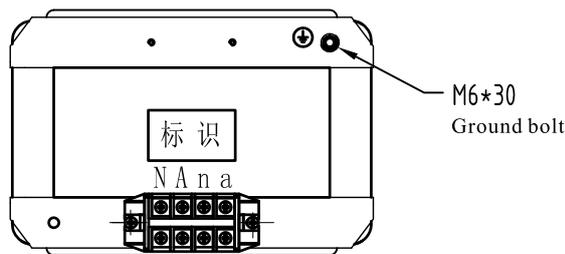


Main Characteristics

Nominal frequency	50Hz	Noise Level	≤60dB(50/60Hz, 1m away)
Primary	220VAC		Input-output: 3000VAC
Secondary	220 VAC	Isolation testing voltage	Input-PE: 3000VAC Output-PE: 3000VAC
Efficiency	See selection table	Max. Temperature Rise	80K
IP Class	IP 00	Ambient temperature	-20...+45°C
Optional part	Cabinet (IP65)	Storage temperature	-20...+30°C
Insulation class	H	Cooling	Natural air cooling
Insulation Resistance	≥100MΩ(DC500V)		

Connection

Primary: [N,A]
Secondary: [n,a]



STANDARDS

TYPE

- After IEC60038 the input voltage can change about ±10%. The transformer rating power must be suitable selected.
- JBT9649-19999
- Low voltage directive(2006/95/EC)
- EN 61558-2-4
- EMC-Directive(2004/108/EC)

SIGNS



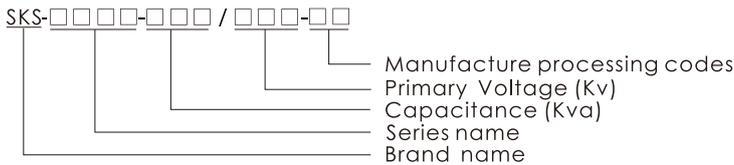
Selection Table

Type	Picture NO.	Capacitance 容量(kva)	Primary/Secondary Voltage 初级/次级电压(V)	Efficiency 效率	Insulation Class 绝缘等级	Weight without cabinet 不带机箱重量 (Kg)
SKS-DKGF-2/0.22	1	2	220V/220V	93.8%	H	22
SKS-DKGF-3/0.22	1	3	220V/220V	94.8%	H	40
SKS-DKGF-4/0.22	1	4	220V/220V	94.8%	H	40
SKS-DKGF-5/0.22	1	5	220V/220V	95.0%	H	40
SKS-DKGF-6/0.22	1	6	220V/220V	95.1%	H	45
SKS-DKGF-7/0.22	2	7	220V/220V	95.3%	H	50
SKS-DKGF-8/0.22	2	8	220V/220V	95.5%	H	58
SKS-DKGF-9/0.22	2	9	220V/220V	95.8%	H	65
SKS-DKGF-10/0.22	2	10	220V/220V	96%	H	72

Insulation classes

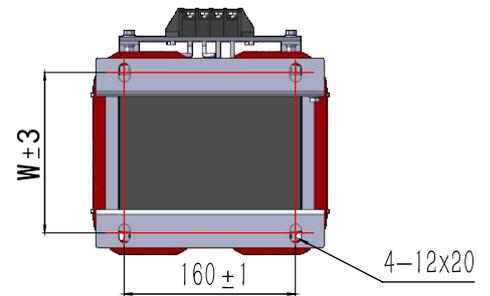
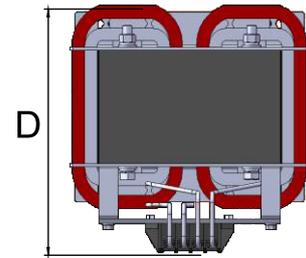
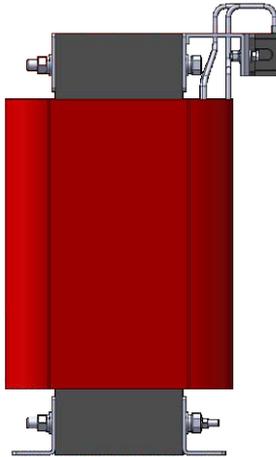
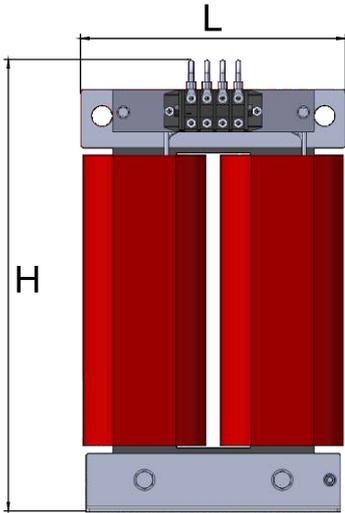
INSULATION CLASS	Maximum Continuous Operation Temperature Allowed	Maximum permissible mean temperature rise at rated operation	Maximum permissible average temperature rise at short circuit
E	120°C	75K	130K
B	130°C	80K	145K
F	155°C	100K	170K
H	180°C	135K	200K

Model Rules:



Mechanical data

All dimensions in mm; 1 inch = 25,4 mm

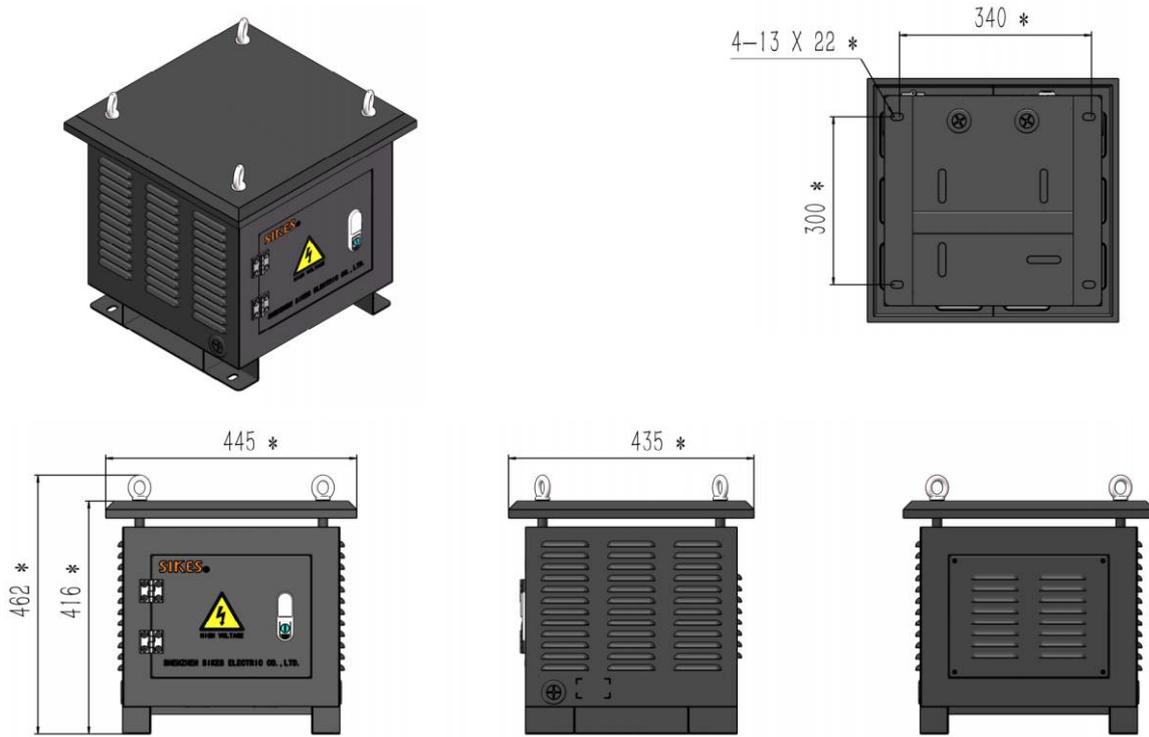


Mounting dimensions

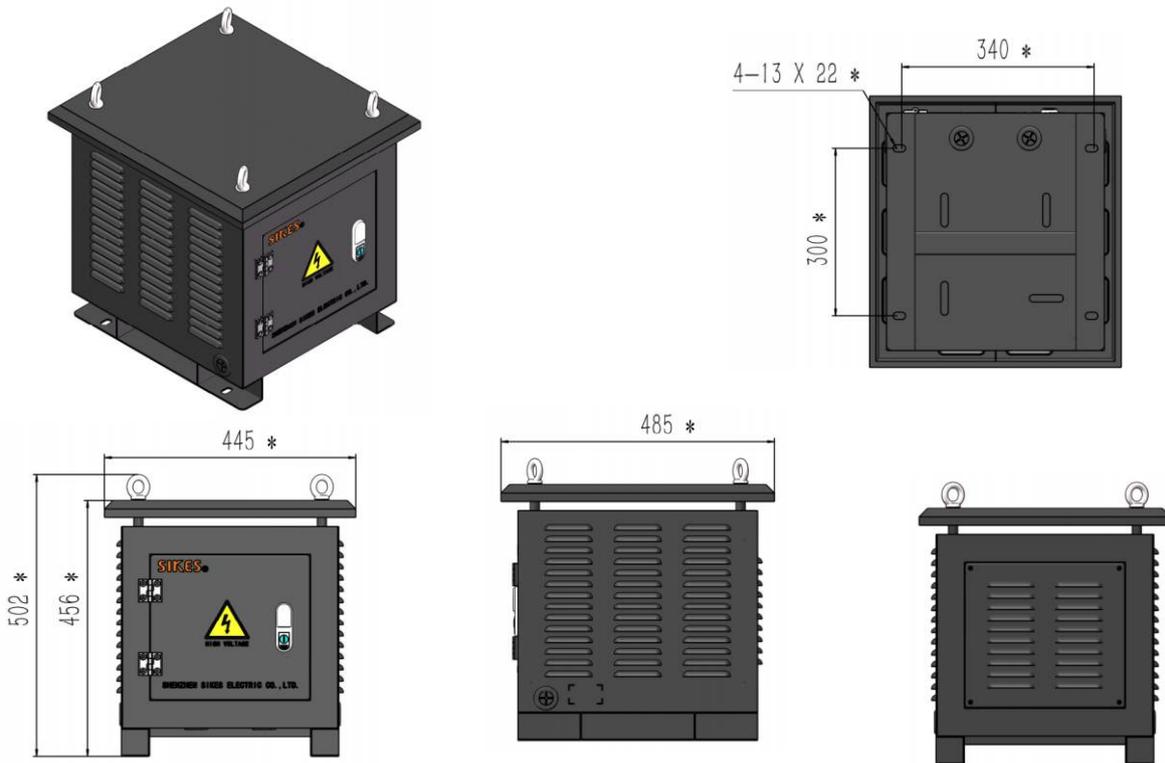
Power	2KVA	3KVA	4KVA	5KVA	6KVA	7KVA	8KVA	9KVA	10KVA
W	110	135	135	135	135	135	145	155	170
H	350	350	350	350	385	420	440	450	450
D	210	250	250	250	250	250	260	270	290
L	220	260	260	260	260	260	260	260	260

Optional part : Cabinet

All dimensions in mm; 1 inch = 25,4 mm



Picture NO. 1



Picture NO. 2